



OPEN EXAMINATION ENGINEERING GEOLOGIST STATEWIDE



DEPARTMENT OF TOXIC SUBSTANCES CONTROL

CALIFORNIA STATE GOVERNMENT - AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER - OFFERING EQUAL EMPLOYMENT OPPORTUNITY TO ALL REGARDLESS OF RACE, COLOR, CREED, NATIONAL ORIGIN, ANCESTRY, SEX, MARITAL STATUS, DISABILITY, RELIGIOUS OR POLITICAL AFFILIATION, AGE, OR SEXUAL ORIENTATION. IT IS AN OBJECTIVE OF THE STATE OF CALIFORNIA TO ACHIEVE A DRUG-FREE STATE WORKPLACE. ANY APPLICANT FOR STATE EMPLOYMENT WILL BE EXPECTED TO BEHAVE IN ACCORDANCE WITH THIS OBJECTIVE BECAUSE THE USE OF ILLEGAL DRUGS IS INCONSISTENT WITH THE LAW OF THE STATE, THE RULES GOVERNING CIVIL SERVICE, AND THE SPECIAL TRUST PLACED IN PUBLIC SERVANTS.

CONTINUOUS TESTING: This test is administered by the Department of Toxic Substances Control on an open statewide continuous filing basis. Applications will not be accepted on a promotional basis. Applicants who meet the minimum qualifications may apply for and take this examination at any time, provided they do not have current list eligibility. MEETING THE MINIMUM QUALIFICATIONS TO COMPETE IN THE ENGINEERING GEOLOGIST EXAMINATION DOES NOT ASSURE LIST ELIGIBILITY. COMPETITORS MUST SUCCESSFULLY PASS THE EXAMINATION. NOTE: This is a HIGHLY COMPETITIVE PROCESS. Those individuals who have the greatest breadth of recent experience will achieve the highest scores and will be placed on the eligible list.

WHO SHOULD APPLY: Persons who meet the "minimum qualifications" as stated below.

HOW AND WHERE TO APPLY: A COMPLETED SUPPLEMENTAL APPLICATION MUST BE SUBMITTED. Applications are available at the address below or on the State Personnel Board web site at <https://forms.spb.ca.gov>. To learn more about the testing arrangements, contact the testing office shown below. The testing office will accept applications at the address below, or applications may be filed in person with:

Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826
ATTN: EXAM UNIT
(916) 255-3545
TDD (800) 735-2929

DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD

QUALIFICATIONS APPRAISAL INTERVIEW: Ordinarily interviews are scheduled in Berkeley, Cypress, Chatsworth and Sacramento. However, locations of interviews may be changed as conditions warrant.

SALARY RANGE: A \$4279 - \$4953 B \$4899 - \$5951 C \$5931 - \$7210 D \$6292 - \$7649

SPECIAL TESTING INFORMATION: If you have a disability and need special testing arrangements, mark the appropriate box in Part 2 of the "Application for Examination". You will be contacted to make special arrangements. When the requirements for the particular criteria are met for movement to Range B, C, or D and upon recommendation of the appointing power, the employee shall receive a rate in the new range equivalent to that provided for movement to a class with a higher salary range under the provisions of Department of Personnel Administration (DPA) Rule 599.676. Upon movement from Range C to D, the provisions of DPA Rule 599.674 shall apply. These criteria will be used to allocate incumbents to Alternate Range A, B, C, or D of the Engineering Geologist classification:

RANGE A. This range shall apply to persons who do not meet the criteria for Range B, C, or D.

RANGE B. This range shall apply to incumbents who have satisfactorily completed either:

1. One year in the California state service as an Engineering Geologist, Range A; or
2. Two years of professional engineering geological experience including one year of actual detailed field study applicable to the solution of groundwater or civil engineering problems; or
3. Possession of a Master's Degree in Geology or Engineering Geology. This is in addition to any degree used to qualify for the Engineering Geologist examination. (Professional experience is defined as experience equivalent to Engineering Geologist, Range A, gained after meeting the minimum qualifications for entry into the Engineering Geologist class.)

RANGE C. This range shall apply to persons who have satisfactorily completed either:

1. Two years in the California state service as an Engineering Geologist, Range B; or
2. Four years of professional engineering geological experience outside of the State service, including two years of actual detailed field study applicable to the solution of groundwater, or civil engineering problems. (Professional experience is defined as experience equivalent to Engineering Geologist, Range B, gained after meeting the minimum qualifications for entry into the Engineering Geologist class.)

RANGE D. This range will apply to incumbents who meet the criteria for Range C and who possess a valid certificate of registration as a professional geologist or geophysicist issued by the California Board of Geologists and Geophysicists.

THE POSITION: An Engineering Geologist, Range A is the entry, and first working level in the class. Incumbents work under close supervision and perform less difficult engineering geologic work. Range B is the intermediate working level. Under general supervision, incumbents perform professional engineering geologic work of average difficulty. Range C is the full (non-registered) journey level. Under direction, incumbents perform difficult professional engineering geologic work. Incumbents may act as project managers on more complex projects or be assigned staff specialist responsibilities in support of project managers or other technical or programmatic functions. This level may also be used in a lead capacity over other Engineering Geologists or other professional or technical employees. Range D is the full (registered) journey level. Under direction, incumbents perform difficult engineering geologic work. Incumbents may act as project managers on more complex projects or be assigned technical staff responsibilities in support of project managers or other technical or programmatic functions. This level may be used in a lead capacity over other Engineering Geologists or other professional or technical employees. Range D requires possession of a valid certificate of registration as a geologist or geophysicist issued by the California Board of Geologists and Geophysicists. Range D incumbents act in a responsible charge capacity.

Position(s) exist with the Department of Toxic Substances Control.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION: It is your responsibility to make sure that you meet the education and/or experience requirements stated below. **NOTE:** All applicants must meet the education and/or experience requirements for this examination by the final date. All

**ENGINEERING GEOLOGIST
FINAL FILING DATE: CONTINUOUS TESTING
EXAM CODE: 8TWEG**

**BULLETIN RELEASE DATE: JUNE 19, 2008
SCHEMATIC CODE: HT65 CLASS CODE: 3756**

applicants must include "to" and "from" dates (month/day/year), time base and civil service/position class title. Applications/resumes received without this information will be rejected. Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination. Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination meeting 100% of the overall experience requirement.

MINIMUM QUALIFICATIONS: Education: Equivalent to graduation from college with major work in geology, engineering geology or a closely related field that includes coursework in geology. (Additional qualifying experience may be substituted for the required education on a year-for-year basis. (Registration as a senior in a recognized institution will admit applicants to the Engineering Geologist examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.) **ADDITIONAL DESIRABLE QUALIFICATIONS** – Course work in engineering geology; willingness to travel in performing field work throughout the State; course work and/or experience in environmental engineering, water resource management, hydraulics, and/or hydrogeology; and in addition to registration as a geologist, certification as an engineering geologist or hydrogeologist. **EXAMINATION INFORMATION:** A candidate may be tested only once during any testing period. The testing periods are January 1 – June 30 and July 1 – December 31. Unsuccessful competitors who do not attain a minimum rating of 70.00% must wait at least 6 months from disqualification before reapplying. Successful competitors establish eligibility for 12 months and are restricted from re-competing during this 12 month eligibility period. This examination will consist of a structured qualifications appraisal interview. Candidates will be allowed time prior to the interview to prepare responses to pre-determined job-related questions. In order to obtain a position on the eligible list, a minimum of 70.00% must be attained in the interview. **QUALIFICATIONS APPRAISAL INTERVIEW - WEIGHTED 100.00%**

SCOPE: In addition to evaluating the competitor's relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively; relative to job demands, each competitor's:

A. KNOWLEDGE OF:

1. Stratigraphic, structural, historical, and economic geology as related to civil engineering projects.
2. Geological processes and survey techniques, equipment, and procedures.
3. Fundamental principles of mineralogy, petrography, soil mechanics, and hydrogeology.
4. Photogeology, geological mapping and drafting, and the application of geology to engineering problems.
5. Grouting methods, techniques, and equipment.
6. Geological literature.
7. Subsurface exploration and sampling procedures.

B. ABILITY TO:

1. Conduct geological and geophysical exploration investigations.
2. Conduct independent technical research work.
3. Make record, and evaluate observations on geological engineering problems.
4. Make accurate tests, observations, and measurements.
5. Analyze situations accurately and take effective action.
6. Prepare and analyze technical reports.

VETERANS PREFERENCE CREDITS: will be added to the final score of all competitors who are successful in this examination and who qualify for and have requested these points. Due to the changes in the law, which were effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS CREDITS.

CAREER CREDITS: are not granted in open examinations.

ELIGIBLE LIST INFORMATION: A departmental eligible list will be established for the Department of Toxic Substances Control. Names of successful competitors are merged into the list in order of final scores, regardless of date. Eligibility expires 12 months after it is established.

GENERAL INFORMATION

It is the candidate's responsibility to contact the Department of Toxic Substances Control three days prior to the written test date if they have not received their notice.

For an examination without a written feature, it is the candidate's responsibility to contact the Department of Toxic Substances Control three weeks after the final filing date if they have not received a progress notice.

If a candidate's notice of oral interview or performance test fails to reach them prior to the day of the interview due to a verified postal error, they will be rescheduled upon written request.

Applications are available at State Personnel Board offices, local offices of the Employment Development Department, the Department of Toxic Substances Control and the State Personnel Board's Web site at <http://www.spb.ca.gov>.

If you meet the requirements stated on the reverse, you may take this examination which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on the other side of this bulletin will be compared with the performance of others who take this examination and all candidates who pass will be ranked according to their scores.

The Department of Toxic Substances Control reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified. To find out more about the Department of Toxic Substances Control connect to our Web site at <http://www.dtsc.ca.gov>.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, oral interviews are scheduled in Berkeley, Cypress, Chatsworth and Sacramento. However, locations of interviews may be limited or extended as conditions warrant.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multi departmental promotional, 4) service wide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Interview Scope: If an interview is conducted, in addition to the scope described on the other side of this bulletin, the panel will consider education, experience, personal development, personal traits and fitness. In appraising experience, more weight will be given to the breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of their experience. Evaluation of a candidate's personal development will include consideration of their recognition of their own training needs; their plans for self-development; and the progress they have made in their efforts toward self-development.

Veterans Preference: California law limits the granting of veterans preference points in open entrance and open nonpromotional examinations. Credit in open examinations is granted as follows: 10 points for veterans, widows or widowers of veterans, and spouses of 100% disabled veterans; and 15 points for disabled veterans. Credit in open nonpromotional examinations is granted as follows: Five points for veterans; and 10 points for disabled veterans. Veteran's preference credits will be added to the final score of those competitor's who are successful in this examination, and who qualify for, and have requested these points. Due to the changes in the law, which were effective January 1, 1996, VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS CREDITS. Directions for applying for veterans preference are on the Veterans Preference Application form (Form 1093) which is available from the State Personnel Board, 801 Capitol Mall, Sacramento, CA 95814, and the Department of Veteran's Affairs, P.O. Box 942895, Sacramento, CA 94295-0001.

High School Equivalence: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board or high school authorities that the candidate is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the Deaf or Hearing Impaired: From TDD phones: 1-800-735-2929 From Voice Telephones: 1-800-735-2922 O (Rev. 5/01) Printed on Recycled Paper